

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-003808**Date Inspected:** 07-Aug-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 2330**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

This report serves to document the events occurring on this date at the following location. Caltrans Quality Assurance (QA) Inspector Robert Vatcher arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China, for the purpose of monitoring welding and fabrication of the San Francisco / Oakland Bay Bridge (SFOBB) components. The QA Inspector observed the following: The weather today is 27C, a low of 23C and a high of 31C, visibility 16 km with winds east at 1 kph.

Orthotropic Box Girder (OBG) Fabrication &amp; Tower Components

QA performed Ultrasonic Testing (UT) on the following components;

Bay IV

Tower Diaphragm Flange welds

ESD1-SA318A/B-7A/B

ESD1-SA318A/B-8A/B

ESD1-SA318A/B-9A/B

ESD1-SA318A/B-10A/B

ESD1-SA318A/B -11A/B

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ESD1-SA318A/B-12A/B

OBG Side Plate welds;

SP187-001-009

SP187-001-011

SP187-001-013

SP187-001-015

SP187-001-017

SP187-001-019

SP187-001-021

Bay VII

OBG Floor Beam welds;

FB020-001-125,

FB020-001-126

FB020-001-127

Bay VIII

Tower Diaphragm welds;

ESD1-SA316-6B

ESD1-SA316-12B

SSD1-SA169A/B-2A/B.

SSD1-SA169A/B-3A/B,

SSD1-SA169A/B-4A/B,

SSD1-SA169A/B-5A/B,

SSD1-SA169A/B-6A/B,

SSD1-SA169A/B-7A/B,

SSD1-SA169A/B-10A/B

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SSD1-SA169A/B-11A/B

Heavy Shop I

Tower skin plate weld;

NSD1-SA10A/K-15A/B

### Summary of Conversations:

No relevant conversations this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ady Velasco 138-1694-2685, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Vatcher,Robert
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Cuellar,Robert
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QA Reviewer
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